

Claims

1. Arrangement for connecting a drawer frame (12) formed by a metal hollow chamber profile to the facing lateral edge of the associated plate-shaped drawer bottom (10), in which at least in part-regions of its lower end region opposite the end face of the edge of the drawer bottom (10) the drawer frame (12) has in each case a strip-shaped vertical contact web (26) for the lateral end face of the drawer bottom (10), and a supporting leg (28) which engages under the drawer bottom in the proper connection position is bent away from the lower end of the contact web and has integrally projecting from it fixing claws (32) which are pointed or sharpened at their free ends, project over the support surface of the supporting leg (28) and can be pressed into the material of a drawer bottom which is to be fixed, each supporting leg (28) having at least one elongate punched-out slot (30) which is closed all round in its region between the strip-shaped contact web (26) and its free edge, and the fixing claws (32) are attached integrally to one of the edges of the punched-out slot (30) and are extensions formed out of the material of the supporting leg (28) itself which are bent round substantially at right angles in the direction of the drawer bottom (10), characterised in that two or more connector components (14) made from sheet metal are provided which can be installed in the underside of the drawer frame and on each of which is provided the supporting leg (28) which engages under the drawer bottom (12) and is provided with the fixing claws (32), and that the contact web (26) of the connector component (14) is of such a dimension in terms of height that in the proper fixing position of the drawer bottom (10) on the drawer frame (12) it projects over the underside of the drawer bottom (10), and that the supporting leg (28) which projects from the lower end of the contact web (26) under the drawer bottom (10) has two parallel strip-shaped leg portions (28a; 28b) which are offset in height and of which the outer leg portion (28b) facing away from the contact web (26) is offset in height relative to the inner leg portion (28a) directly adjoining the contact web by the amount by which the contact web (26) projects over the underside of the drawer bottom (10) in the direction back towards the drawer bottom (10).
2. Connecting arrangement as claimed in Claim 1, characterised in that the punched-out slot (30) is provided in the supporting leg (28) in the junction region between the leg regions (28a, 28b) which are offset in height, so that then the fixing claw(s) (32) is or are attached

integrally to an edge of the punched-out slot (30) which extends parallel to the lateral edge of the drawer bottom (10).

3. Connecting arrangement as claimed in Claim 2, characterised in that at least a pair of parallel fixing claws is provided spaced from one another on each punched-out slot (30).

4. Connecting arrangement as claimed in Claim 3, characterised in that the fixing claws (32) are formed by tab-like extensions formed out of the material of the supporting leg (28) in the punched-out region, and the free ends of these extensions are chamfered in such a way that they each form a pointed or sharpened edge which penetrates into the underside of the drawer bottom (10).

5. Connecting arrangement as claimed in Claim 4, characterised in that the chamfers of the free ends of the fixing claws (32) extend in the opposite direction to the chamber of the respective other fixing claws (32), so that the free ends of the fixing claws when they penetrate into the drawer bottom (10) are bent in the opposite direction of deformation.

6. Connecting arrangement as claimed in any one of Claims 1 to 5, characterised in that at least one through hole (34) for the shank of a fixing screw to be screwed into the drawer bottom (10) is provided in each case in the outer leg portion (28b) of the supporting leg (28) of the connector components.

7. Connecting arrangement as claimed in any one of Claims 1 to 6, characterised in that the connector component (14) is a punched pressed part made from sheet metal which has in its region to be disposed in the open underside of the drawer frame (12) a cross-section corresponding to the internal cross-section of the region of the hollow chamber profile of the drawer frame (12) which receives the connector component (14).

8. Connecting arrangement as claimed in Claim 7, characterised in that the connector component (14) is provided in its region to be installed in the interior of the drawer frame (12) with fixing means for installation in the hollow chamber profile of the drawer frame (12).

9. Connecting arrangement as claimed in any one of Claims 1 to 8, characterised in that the elongate low housing of an automatic drawer retraction device (50) is disposed on the underside, facing away from the drawer bottom, of the supporting leg (28) of one of the connector components (14) in such a way that the pawl component (52) thereof which triggers the retraction function projects, during the pull-out or push-in movement of the drawer, into the path of a catch (54) which is disposed directly or indirectly on the guide rail (44) fixed on the carcass or on a mounting (46) thereof.
10. Connecting arrangement as claimed in Claim 9, characterised in that a damping device which slows down the retraction movement of the pawl component (52) after it has been triggered by the catch (54) is provided in the housing (48) of the automatic retraction device (50).
11. Connecting arrangement as claimed in Claim 10, characterised in that the damping device is provided with a damper which is known *per se* and has a fluid or gaseous damping medium.
12. Connecting arrangement as claimed in any one of Claims 9 to 11, characterised in that the housing (48) of the automatic retraction device (50) is latched with the supporting leg (28) of the associated connector component (14).
13. Connecting arrangement as claimed in Claim 12, characterised in that the elongate housing (48) of the automatic retraction device (50) is additionally connected to the drawer frame (12) in its region which projects over the supporting leg (28) in the pull-out or retraction direction of the drawer.
14. Connecting arrangement as claimed in Claim 13, characterised in that the additional connection of the housing (48) of the automatic retraction device (50) is formed by a tongue (58) is provided which projects from the housing, points in the pull-out or retraction direction of the drawer and can be inserted into a receptacle in the drawer frame (12).